

Angles inside 2D shapes

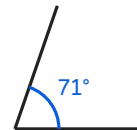
MODULE 7 · 2D AND 3D SHAPES AND ANGLES SHAPE & SPACE

HOW TO ANSWER TODAY

- **Name a 2D shape.** Count sides, check which are equal, count right angles, check parallel pairs.
Then name it.
4 equal sides, 0 right angles → rhombus · 4 sides, 1 pair parallel → trapezium
- **Classify an angle.** Acute $< 90^\circ$ · right = 90° · obtuse $90^\circ - 180^\circ$ · straight = 180° · reflex $> 180^\circ$.
 $75^\circ \rightarrow$ acute · $120^\circ \rightarrow$ obtuse · $220^\circ \rightarrow$ reflex

STRETCH PROBLEMS

- 1 Cian is painting a shape on the yard for the athletics warm-up. He draws a shape with 8 equal sides and 8 equal angles. Which 2D shape has he drawn?
- 2 Cian is building a robot in 4th class and needs a flat panel for its body. His panel has 4 sides with 2 pairs of equal length and 4 right angles. Which 2D shape is the panel?
- 3 Daithí is building a small raised bed in the school garden. He cuts three timber sides, all of different lengths, and joins them into a closed shape. Which 2D shape has 3 sides all of different lengths?
- 4 Cian uses a set square to check the corner of a new raised bed in the school garden. The angle he measures is 71° .
Is this angle acute, right, obtuse, straight or reflex?



- 5 Cian is drawing shapes for a homemade Snakes and Ladders board. He wants one game token shaped like a flag with 3 equal sides and 3 equal angles. Which 2D shape should he draw?